

IT/AV Systems

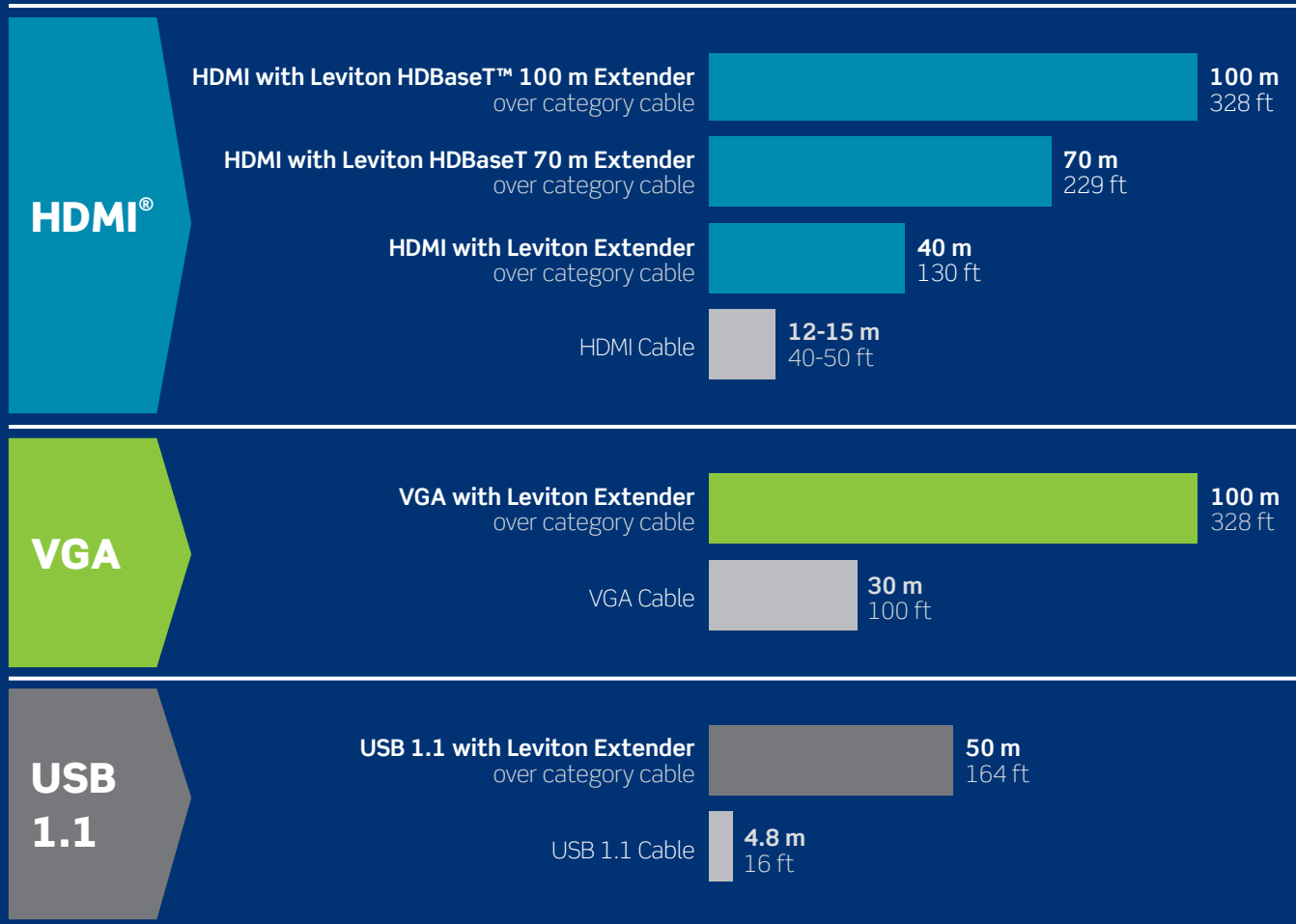
Enterprise-grade infrastructure
for high-quality audio and video



Extending High-Quality AV Signals Over Category Cable

Deliver the high-quality audio and video required for today's technologies with Leviton IT/AV Systems, which include signal extenders for long distance transmission of HD video. We offer extenders for a variety of connection types that increase cable distance and retain high signal performance.

Below are recommended maximum lengths for different AV links, compared to maximum lengths using Leviton extenders:



End-to-End Tested and Certified AV Systems Run HDMI Out to 328 Feet

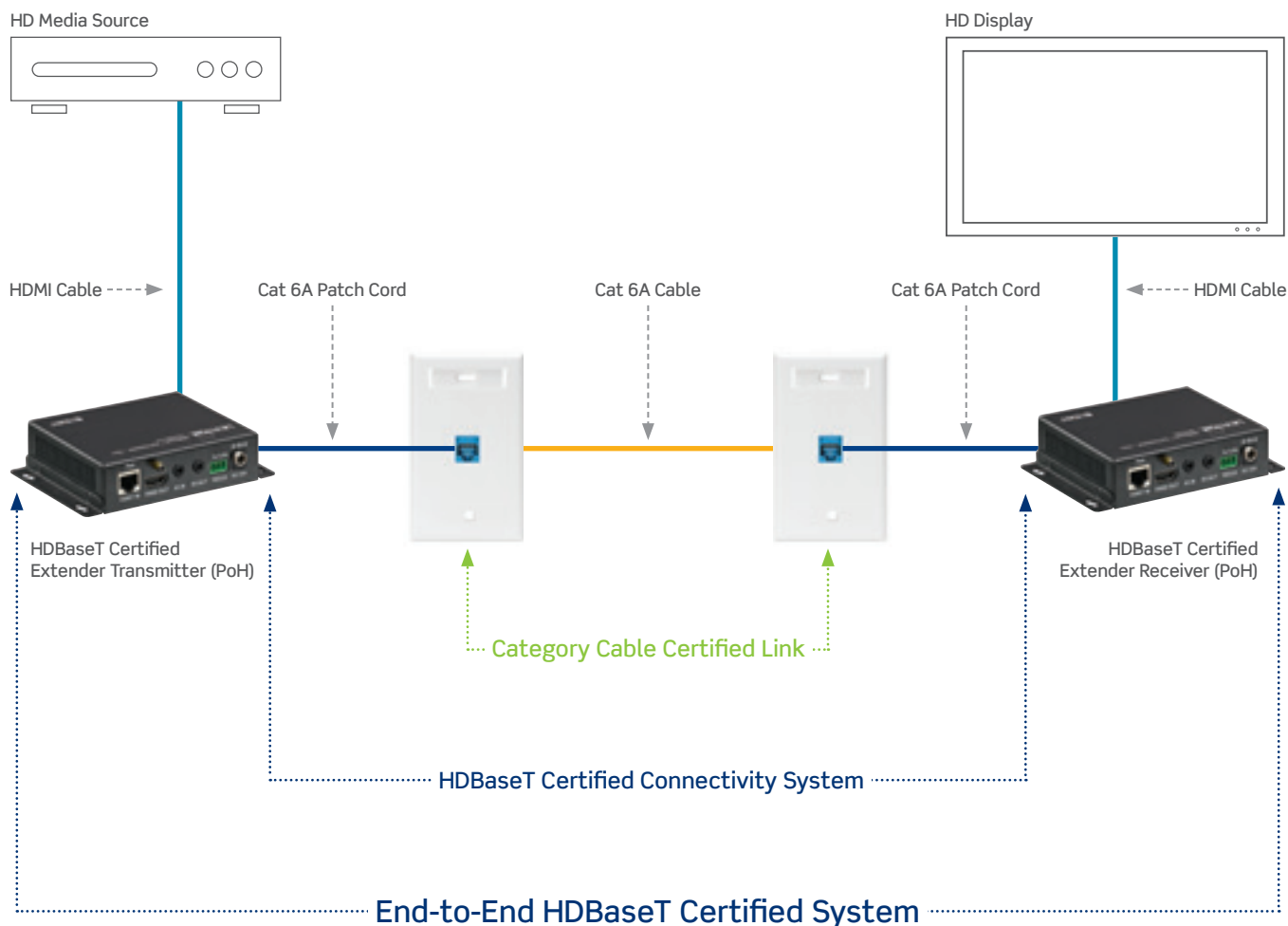
The increasing convergence of AV and data networks on category cable has positioned low-voltage, BICSI RCDD contractors as the next generation of AV installers. Leviton's new enterprise-grade IT/AV systems help these contractors be the AV experts for their customers by using an easy-to-install solution that requires little or no training.

The Leviton IT/AV System combines HDBaseT™ HDMI® Extenders, Atlas-X1™ Cat 6A connectors and patch cords, and Cat 6A UTP cable with alien crosstalk prevention technology for a complete end-to-end solution. The Cat 6A infrastructure link can be installed, tested, and verified as a Cat 6A 10GBASE-T link. This system is also certified to HDBaseT Alliance standards.

HDBaseT certification offers important benefits:



- System longevity capable of supporting future HD video signal performance requirements
- Installation and testing using the same tools used for datacom infrastructure
- Peace of mind that comes from third-party verification and certification of AV signal transmission performance
- Compatibility with other manufacturers' equipment supporting the same HDBaseT features
- Limited lifetime warranty on the structured cabling system when installed by a Leviton certified contractor
- Power over HDBaseT (PoH) allows powering the link from either end on 70 and 100 meter systems

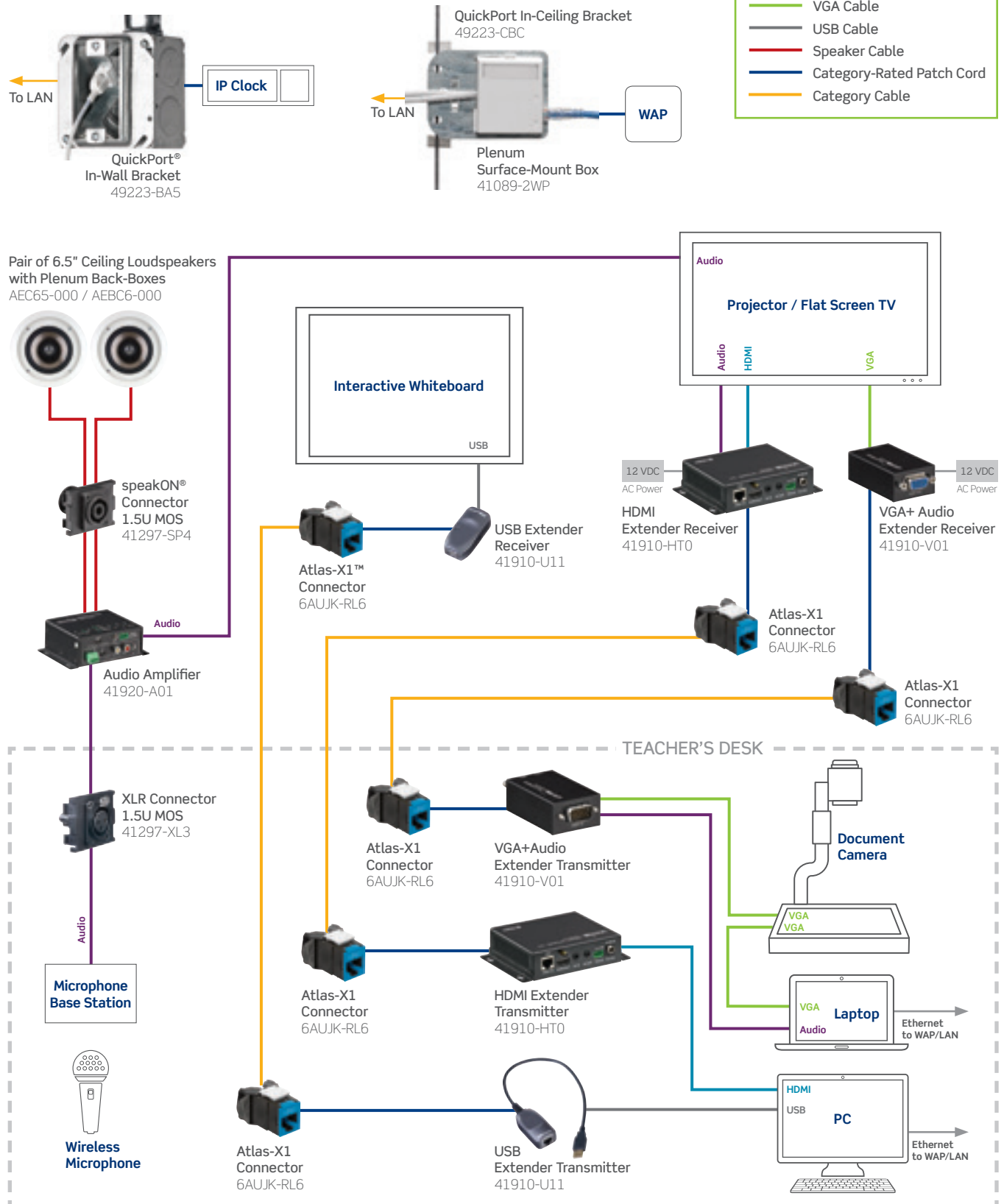




Today's classrooms have evolved from chalkboards and overhead projectors to use of connected tools like interactive displays. Leviton solutions allow contractors to extend HDMI®, VGA, and USB signals from teachers' desks to the latest devices anywhere in the room, all networked over easy-to-install category-rated cable. These solutions help ensure a quality learning environment throughout all types of learning areas, including lecture halls, libraries, and computer labs, and they prepare schools for more advanced technologies to come.

See the following page for typical classroom AV applications with Leviton solutions.

Classroom Applications with Leviton Solutions

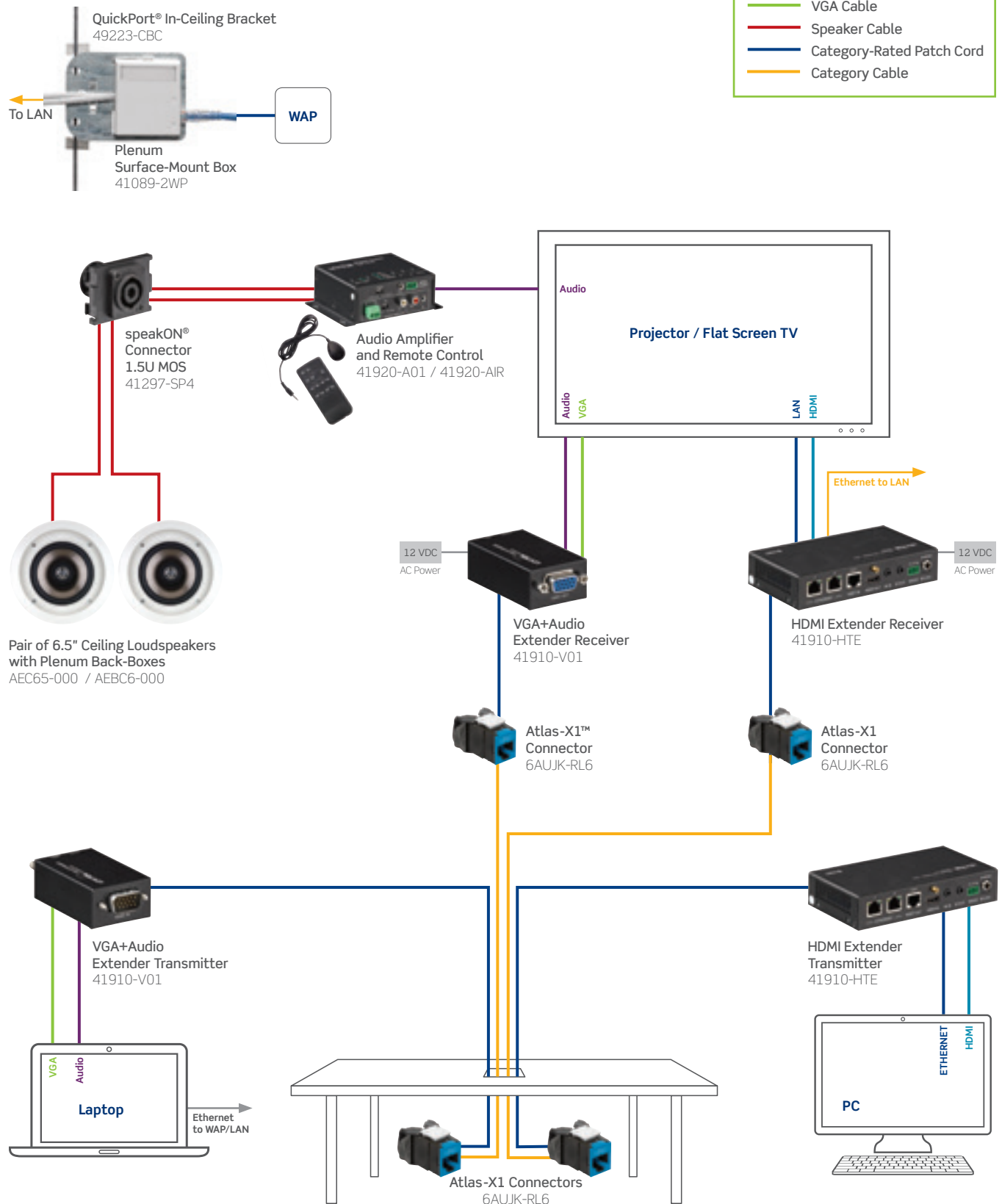




The best AV installations for conference rooms can adapt to handle future multimedia devices while maintaining a low profile in the room. With help from Leviton AV signal extenders, audio amplification, and in-ceiling connectivity for wireless access points — all connected over versatile category-rated cable — you create extra flexibility and a clean look in business, school, or hotel conference rooms.

See the following page for typical conference room AV applications with Leviton solutions.

Conference Room Applications with Leviton Solutions



IT/AV System Signal Extenders

Leviton offers signal extenders for a variety of connection types

that increase link distance and retain high signal performance while using dependable, cost-effective category-rated cable.



HDMI Extender Transmitters and Receivers with HDBaseT™ Technology

Extend HDMI signals over a single category-rated cable, using certified HDBaseT technology to support HD video, audio, Ethernet, power, and bi-directional control. The extenders support full uncompressed HD video, 3D, 2K, and 4K up to 2160p. Leviton offers two models that extend transmission up to 70 meters or 100 meters.



HDMI Extender Transmitter and Receiver

Extend 1080p by 40 meters or 1080i up to 60 meters from your HDMI source, using two category cables. The extenders include equalization adjustment for optimizing display quality over varying cable lengths.



USB 1.1 Extender

Locate your USB device or hub at a greater distance from your computer, overcoming the typical 15-foot USB cable limitation. The USB Extender is ideal for classrooms with interactive whiteboard or flat screen installations.

VGA Extender Transmitter and Receiver

Extend the distance between AV sources and displays by as much as 100 meters, using category cable instead of heavy and expensive VGA cables. The extender is a compact, convenient and economical addition to your AV setup.



Wallplates and Housings

Choose from a wide selection of wallplates, housings, and AV connectors to support your IT/AV installations

QuickPort® Wallplates support all Leviton category-rated, fiber, and AV QuickPort connectors

Multimedia Outlet System (MOS) offers a front-loading module solution that is ideal for conference rooms, classrooms, and auditoriums.

Plenum-rated QuickPort Surface-Mount Boxes protect terminations, provide strain relief, and can attach to Leviton In-Ceiling Brackets



Recessed Entertainment Box

The Recessed Entertainment Box (REB) centralizes AV power and low-voltage connection points behind wall-mounted TVs, entertainment centers, monitors, and more.



Recessed Receptacles

Single-gang recessed receptacles supply AC power, while dual-gang receptacles provide power and include six QuickPort openings to centralize connection points for audio, video, data, and phone.





QuickPort In-Wall and In-Ceiling Brackets

In-Wall and In-Ceiling Brackets provide a location for a standards-based, testable permanent link for connections to wireless access points, IP clocks, security cameras, and other IP devices. Brackets protect installed cabling by providing a stable mounting and termination point, offering a more reliable connection than a direct-connect plug, and reducing the possibility of damage during construction.

Atlas-X1™ Cat 6A QuickPort® Connectors

High-performance Atlas-X1 UTP connectors include patented technologies that add reliability and longevity to your IT/AV System. Retention Force Technology protects against time damage from non-compliant plugs, and triple-stage compensation enhances link and channel performance. The connector also maintains alien crosstalk protection throughout the link.

The connector's unique wire manager and door-release levers support fast, secure, and repeatable terminations without the need for specialized tools. And each connector comes with interchangeable icons — designating AV, data, or voice — color-coded to match the face of the connector.



Atlas-X1™ Cat 6A SlimLine Boot Patch Cords

Leviton SlimLine boot cords feature a narrow profile to alleviate congestion in high-density applications for easier moves, adds, and changes. The snagless design prevents tab breakage and the strain-relief boot ensures long-term network performance. The Cat 6A patch cords provide exceptional alien crosstalk suppression and EMI/RFI protection to meet the demanding requirements of HDBaseT™.



Cat 6A UTP Cable with Alien Crosstalk Prevention Technology

State-of-the-art Cat 6A UTP cable with alien crosstalk prevention technology is ideal for managing the convergence of voice, video, and data at 10-gigabit Ethernet or HDBaseT speeds. It offers an incredibly small outer diameter, and its innovative noise-cancelling technology delivers superior alien crosstalk (AXT) suppression.



Leviton HDMI® Cables

Leviton high-speed HDMI Cables with Ethernet are ideal for supporting in-wall and permanent installations for education, healthcare, enterprise, and government applications. The cable is CL2-rated for in-wall installations, and it is flexible to accommodate common box depths while maintaining minimum bend radius requirements. The cables are cULus Listed and are available in 3-, 6-, 10-, and 15-foot lengths.

THE SMART CHOICE FOR A BETTER NETWORK

High-performance connectivity backed by the
industry's best service and support

We invent the industry's best technologies. We build them to last. And we stand behind every product and every installation – delivering industry-leading performance and unbeatable service and support – throughout the life of your structured cabling system. Add in the peace of mind that comes from working with a stable, century-old supplier and you get far and away the highest return on infrastructure investment in the industry.

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